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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Wilfried MACKEL et al.

Serial No.: **National Stage of Application** Art Unit: **Not yet assigned**  
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For: **FILTERING DEVICE**

## **PRELIMINARY AMENDMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Barnes & Thornburg Customer No:  
**23646**  
U.S. Patent and Trademark Office

Sir:

Please amend the subject application as shown in the attachment hereto.

**Remarks** begin on page 2 of this paper.

**Substitute Specification** begins on page 3 of this paper.

**Marked-up copy of Substitute Specification** begins on page 8 of this paper.

**Amendments to the Claims** begin on page 15 of this paper.

**A Replacement Abstract** begins on page 20 of this paper.

**Amendments to the Drawings** begin on page 21 of this paper.